

The R. L. Carter Company

Phoenix, N. Y.

Manufacturers of

Routers and Hand Shapers

The Carter Motor

The basic part of all Carter Machines is the Carter motor. These motors, being made in sizes varying from 1/7 H.P. to 3/8 H.P., cover practically the entire field of portable uses, and together with scores of fixed applications make possible innumerable different operations. All Carter Machines are guaranteed against defective material and workmanship. All repairs should be made at our factory.

Brief specifications of Carter Motors are as follows:

Type	Horse Power (rated)	(actual)	R.P.M.	Weight
R7 and S7	1/7	1/7	18,000	3 lbs.
R4 and S4	3/8	3/8	18,000	5 lbs.
R5	1/2	1/2	14,500	15 lbs.
R2 and S2	3/4	3/4	15,800	35 lbs.

Motors operate on A.C. or D.C. Specify whether 110 or 220 Volts.

CARTER PRODUCTS



Type R7 Router

Electric Routers

1/4 H.P. Electric Router (Type R7)

The Carter Type R7 Router consists of the Type R7 Motor equipped with template guide. The motor, being threaded into the base, permits accurate adjustment to depth. Each complete turn of the motor in its base equals 1/16". Chuck takes 1/4" shank bits only. Templet guides screwed to end of motor and do not revolve. Will do veining and all kinds of line work, routing for line and block inlay, paneling, panel and bracket moulding, veneer patching, light fluting on flat and cylindrical surfaces, beading and fluting spindles, hand carver's routing, routing in soft metals, etc.

3/8 H.P. Electric Router (Type R4)

Has greater capacity for the same work Type R7 performs and does many additional jobs. Comes equipped with Router Base, Templet Guide and Straight and Circular Guide (See illustration below). Takes bits up to 3/4" with 1/4" shank. Same general design as R7. Weight complete only 5 lbs., but develops 3/4 actual H.P.

Cutting Block Inlays and Routing is done with either R7 or R4 by using a Recess and Insert Guide. Guide has a removable collar with a wall thickness the same as the bit used. With collar ON recess is cut. With collar OFF the inlay is cut.



Type R4 Router

Hand Shapers

1/4 H.P. Hand Shaper (Type S7)

The Carter Type S7 Hand Shaper consists of the Type S7 Motor equipped with the guide collar for straight work as illustrated at the left. Taking any one of the variety of specially made Carter tools, it will do all corner cuts such as beads, chamfers, rounds and coves after the work is assembled. Its speed of 18,000 R.P.M. assures smooth work. In combination with the attachments described here, and others, it will do countless jobs no other machine can touch.



S7 Hand Shaper with Guide Collar

The S7 Compound Curve Guide (See illustration for S4 below) fits over the end of the motor enabling the shaper to follow practically any edge or surface—something no other shaper will do. Particularly adapted for cutting surface beads, grooves or rabbets where edges or surfaces are irregular. Maximum distance of cut from edge of work, 1".

The S7 Shaper Holder permits perfect edge beading and grooving on any piece where the edge alone is irregular regardless of the size of the work.

3/8 H.P. Hand Shaper (Type S4)

For heavier work requiring two hands. Will do all kinds of rounding, beading, chamfering, and special shaping such as required on table and desk tops, legs and posts and many special operations. The S4 Hand Shaper is regularly equipped with Cone and Guide Collar as shown at the right.



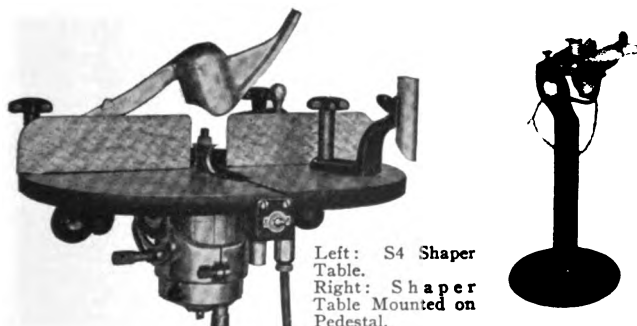
S4 Hand Shaper with Cone and Guide



S4 Compound Curve Guide

The S4 Compound Curve Guide shown at the left eliminates practically all hand work on irregular surfaces. Guide is fully adjustable to any shape surface.

The S4 Shaper Table shown below converts the Hand Shaper into a complete Universal Shaper. Motor tilts 45° either way and has vertical and horizontal adjustment. Adjustable back fence, circular guide, and automatic safety guard, 2" jointer knife supplied.



Left: S4 Shaper Table.
Right: Shaper Table Mounted on Pedestal.

Cutters and Grinding Wheels

Cutters and Grinding Wheels for use with the S7 and S4 Hand Shapers are specially made of the finest materials but not high priced (50 cents to \$4.00). They come in a great variety of shapes and sizes as pictured and described in Folder D.



Veining on Irregular Surfaces

table and chair legs, etc. With the cutter turning 18,000 R.P.M. absolutely smooth work is certain.

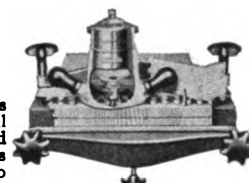
The Adjustable Straight and Circular Gauge shown below fits either R7 or R4 and is regularly furnished with R4. Gauge and stop rods are 7" long. Gauge reversible to follow straight or curved edges. For any routing that must be parallel with edge of work.



R7 Shown Using Circular End of Straight and Circular Gauge



Beading Spindle with Beading and Fluting Attachment



Dovetail Attachment with R4 Router in Position

The Dovetail Attachment at the right fits only the R4 Router. Using a dovetail templet, as shown, both pieces (front and side) of joint are completed in one pass across the work. Attachment clamps to bench. Takes pieces up to 13" in width, any thickness.

The Shaper Table described in the opposite column also fits Type R motors to form a combination bench or portable universal shaper. Send for Folder C.

Other Carter Applications

In the Pattern Shop the making of small core boxes is greatly simplified through the use of the Type R7 or R4 Router with the half round cutter shown in folder C. Saw out a templet on the Band Saw, run the Router around it, repeat the operation with the templet reversed for the other side of the core box and a two hour job is completed in a few minutes.

The Door Set comprising a 1/4 H.P. Router, Adjustable Hinge Butt Templet, and Lock Mortiser Attachment should be part of the equipment for every class in carpentry. Folder A describes it in detail.

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